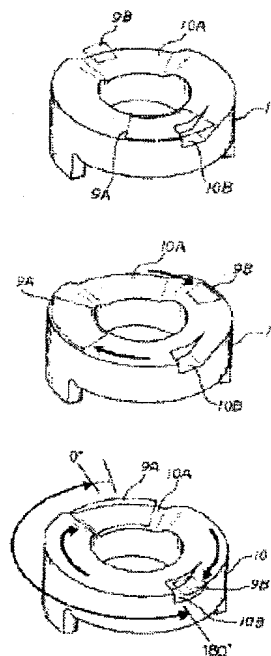


HINGE DEVICE AND ELECTRONIC EQUIPMENT USING THE SAME**Patent number:** JP2004190785**Publication date:** 2004-07-08**Inventor:** SATO KATSUTOSHI**Applicant:** STRAWBERRY CORP**Classification:****- international:** E05D11/08; F16C11/04; F16C11/10; G06F1/16; H04M1/02; E05D11/00; F16C11/04; G06F1/16; H04M1/02(IPC1-7); F16C11/04; E05D11/08; F16C11/10; G06F1/16; H04M1/02**- european:****Application number:** JP20020359383 20021211**Priority number(s):** JP20020359383 20021211**Report a data error here****Abstract of JP2004190785**

PROBLEM TO BE SOLVED: To provide an epoch-making hinge device allowing free adjustment of angle by forming so that, while producing a conventional sufficient closing energization and recess/projection engagement holding function in engagement, the hinge device is not engaged and held at an opening position, and electronic equipment using the hinge device.

SOLUTION: This hinge device is so formed that a first recessed part 10A engaged with a first projected part 9A formed on a cam part 9 is formed in a cam engagement part 10, and the engagement is under way when the first projected part 9A and the first recessed part 10A are in engagedly closed state. A second projected part 9B and a second recessed part 10B are formed on the cam part 9 and the cam engagement part 10, and the projected part 9B is set shorter in rotating direction width than the recessed part 10A and the recessed part 10B is set shorter in rotating direction width than the projected part 9A. In the engagedly closed state, both the first and second projected parts 9A and 9B and both recessed parts 10A and 10B are under engagement. When the device is rotated in an opening direction, the projected part 9A is allowed to pass without falling in the recessed part 10B, and the projected part 9B is supported and floatingly held on the recessed part 10A since the projected part 9A does not fall in and engage with the recessed part 10A.

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